Instructional Lesson Plan

Content Area(s)/Course/Grade: Algebra 1/ 8th	Unit: Linear Functions
Lesson Topic: Linear Regression, Scatter Plots	Approx. Date/s: Mid January
Diversity Integration Topic: Poverty and student achievement	NJSL Standard/s: MP.1, MP.2, MP.5 HSS.ID.B.6, HSS.ID.B.6.A, HSS.ID.B.6.C, HSS.ID.C.7

Textbook, Materials, Resources:
Envisions Algebra 1
https://3c837a41-7c5f-4c25-b1e9-b57a27c560cd.usrfiles.com/ugd/3c837a_1bafc1ee0c7845c69a3d909d48a272b5.pdf pages 1-6

Lesson Objective:

The activities in these projects use all five of the NCTM process standards. The context is a real-world connection in a problem-solving format. Analysis involves reasoning with multiple representations of data and communication of conclusions.

Project III. How is poverty related to School Achievement? Students collect online data for poverty level and achievement level for a random sample of school districts in their state. They construct a scatterplot and a regression equation, and describe this relationship. (Algebra I, Algebra II, Statistics)

Project IV. What Can Be Done? Students are given a number of sources to learn more about poverty. (All)

Instructional Delivery

Culturally Responsive Teaching strategy: Make learning contextual. Ties lessons from the curriculum to the students' social communities to make it more contextual and relevant

Procedures:
Project III. How is poverty related to School Achievement? Students collect online data for poverty level and achievement level for a random sample of school districts in their state. They construct a scatterplot and a regression equation, and describe this relationship.

Project IV. What Can Be Done? Students are given a number of sources to learn more about poverty.

Assessment/Evaluation
Formative/Summative: Students will share and submit their findings with the whole class through discussion and presentation of their work.
Closure: Students can think of strategies to address and help low student achievement based on poverty and share what they learned. We will discuss a way we can actively help using the resources provided in the project.

Teacher's Name submitting plan:Priscilla Seesman
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